

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	§	
Cherchali, et al.	§	
	§	Group Art Unit: 2619
Serial No.: 09/966,492	§	
	§	
Confirmation No.: 5290	§	
	§	Examiner: Anthony M. Sol
Filed: September 28, 2001	§	
	§	
For: TECHNIQUE FOR	§	
PROVIDING TRANSLATION	§	
BETWEEN THE PACKET	§	
ENVIRONMENT AND THE	§	
PSTN ENVIRONMENT	§	

MAIL STOP RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**DECLARATION UNDER 37 C.F.R. § 1.131**

Dear Sir:

We, Ali Cherchali, James Ehlinger, Paul Fellingham, Marius Jonas Gudelis, Steven M. Michelson and James Yatsko, hereby declare as follows:

1. We are the inventors of the above-captioned patent application.
2. The invention of pending claims 1-5, 7-14 and 16-18 was conceived of prior to November 28, 2000, and filed with due diligence from prior to November 28, 2000, to filing of the present application on September 28, 2001.
3. Enclosed herewith in support of this declaration is an invention disclosure (Exhibit A) dated prior to November 28, 2000. Information not relevant to the invention date of the above-captioned patent application is redacted.

PATENT  
Atty. Dkt. No. ATT 2000-0219

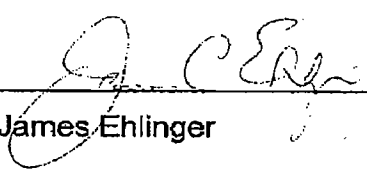
We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

---

Ali Cherchali

---

Date



---

James Ehlinger



---

Date

---

Paul Fellingham

---

Date

---

Marius Jonas Gudelis

---

Date

---

Steven M. Michelson

---

Date

---

James Yatsko

---

Date

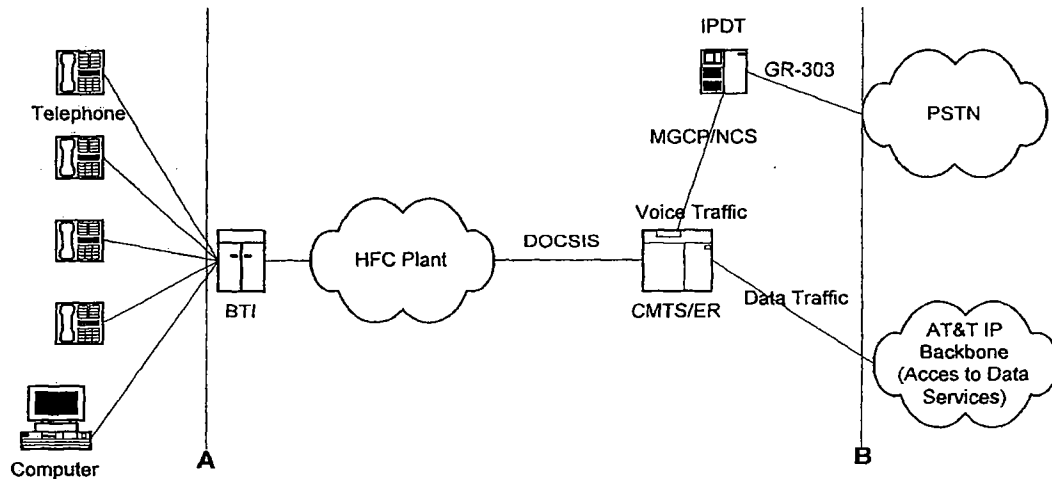
# EXHIBIT A

## Overview:

AT&T is currently defining a packet technology based solution to deliver Voice-over-IP ("VoIP") primary line, full featured, carrier grade local telephony and high-speed data services on regional Hybrid Fiber Coax (HFC) infrastructures. This solution includes interconnection to national/international public switched telephone networks and IP backbone facilities. The solution has three major characteristics:

1. Packet technology is used on the access part of the network.
2. Standard Class 5 switches are used to provide the call processing functions and calling features.
3. An Internet Protocol Digital Terminal (IPDT) is used to provide a translation function between the Packet environment and the PSTN Class 5 switching environment.

A diagram of the solution is depicted below.



## Proposed Patent:

The proposal is to pursue a patent for the IPDT idea. The IPDT function provides a translation function between the Packet environment and the PSTN environment. The IPDT would provide translation for both bearer channels (IP/TDM) and signaling (MGCP/GR303) between both environments. Call processing and any associated functions, would be performed in a circuit switched environment using AT&T's embedded base of Class 5 switches.

## Advantages:

Advantages of the IPDT include:

1. Allows full integration of voice and data services over cable and wireless access facilities using packet technology.
2. Enables the same CPE to provide both voice and data services.
3. Allows HFC/Wireless spectrum to be used more efficiently.
4. Utilizes embedded base of Class 5 circuit switches.
5. Allows existing connectivity to PSTNs to be utilized.